

RAW SEQUENCE LISTING

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Application Serial Number: 10/535,745

Source: PCT/10

Date Processed by STIC: 6/1/05

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PCT

RAW SEQUENCE LISTING

DATE: 06/01/2005

PATENT APPLICATION: US/10/535,745

TIME: 16:23:12

Input Set : A:\24318-502-061 Sequence Listing.txt

Output Set: N:\CRF4\06012005\J535745.raw

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3 <110> APPLICANT: Squillace, Rachel
4   Weiner, Weiner P.
6 <120> TITLE OF INVENTION: Immortalized Human Tuberous Sclerosis Null
7   Angiomyolipoma Cell and Method of Use Thereof
9 <130> FILE REFERENCE: 24318-502-061
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/535,745
C--> 12 <141> CURRENT FILING DATE: 2005-05-20
14 <150> PRIOR APPLICATION NUMBER: 60/556,344
15 <151> PRIOR FILING DATE: 2004-03-25
17 <160> NUMBER OF SEQ ID NOS: 62
19 <170> SOFTWARE: PatentIn Ver. 2.1
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22 <211> LENGTH: 752
23 <212> TYPE: DNA
24 <213> ORGANISM: Homo sapiens
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36 tgctgaaatt atttctctca cacttttgct tgaatttaac acagacatct aatgttctcc 600
37 tttggaatgg ttaggaaaa atgcaagcca tctctaataa taagtcagtg ttaaaatttt 660
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44 <212> TYPE: DNA
45 <213> ORGANISM: Homo sapiens
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49 gagaagatgc tcacttcac ctaaggaagg gcacggccac tcttacacca 120
50 cggctgaaga ggccgctggg atcggcatcc tgacagtgat cctgggagtc ttactgctca 180
51 tcggctgttg gtattgtaga agacgaaatg gatacagagc cttgatggat aaaagtcttc 240
52 atgttggcac tcaatgtgcc ttaacaagaa gatgccaca agaaggggtt gatcatcggg 300
53 acagcaaagt gtctcttcaa gagaaaaact gtgaacctgt ggttccaat gctccacctg 360
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56 tctaattgtc tcctttggaa tgggtgtaga aaaatgcaag ccatctctaa taataagtca 540

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68 ctgcccgcct cagcctccca aagtgtctgga attacaggcg tgagccacca cgcctggctg 1260
69 gatcctatat cttaggtaag acatataacg cagtctaatt acatttcact tcaaggctca 1320
70 atgctattct aactaatgac aagtattttc tactaaacca gaaattggta gaaggattta 1380
71 aataagtaaa agctactatg tactgcctta gtgctgatgc ctgtgtactg ccttaaatgt 1440
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78 <212> TYPE: PRT

79 <213> ORGANISM: Homo sapiens

81 <400> SEQUENCE: 3

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85 His Gly His Ser Tyr Thr Thr Ala Glu Ala Ala Gly Ile Gly Ile
86 20 25 30
88 Leu Thr Val Ile Leu Gly Val Leu Leu Ile Gly Cys Trp Tyr Cys
89 35 40 45
91 Arg Arg Arg Asn Gly Tyr Arg Ala Leu Met Asp Lys Ser Leu His Val
92 50 55 60
94 Gly Thr Gln Cys Ala Leu Thr Arg Arg Cys Pro Gln Glu Gly Phe Asp
95 65 70 75 80
97 His Arg Asp Ser Lys Val Ser Leu Gln Glu Lys Asn Cys Glu Pro Val
98 85 90 95
100 Val Pro Asn Ala Pro Pro Ala Tyr Glu Lys Leu Ser Ala Glu Gln Ser
101 100 105 110
103 Pro Pro Pro Tyr Ser Pro
104 115

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107 <210> SEQ ID NO: 4

108 <211> LENGTH: 1607

109 <212> TYPE: DNA

110 <213> ORGANISM: Homo sapiens

112 <400> SEQUENCE: 4

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115 gtgctgagct tccagccgcg gcccttccac gcgctctgcc tgggcagcgg cgggctccgc 180
116 ttggcgctgg gccttctgca gctgctgccc ggccgcgcgg ccgcgggccc cgggtccccc 240
117 gcgacgtccc cgcgcgcctc ggtccgcata ctgcgcgtg ccgctgctg cgaccttctc 300
118 ggctgcctgg gtatggtgat ccggtccacc gtgtgggttag gattcccaaa ttttgttgac 360

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120 atgtggatcc agctgttgta cagtgcctgc ttctggtggc tgttttgcta tgcagtggat 480
121 gcttatctgg tgatccggag atcggcagga ctgagcacca tcctgctgta tcacatcatg 540
122 gcgtggggcc tggccaccct gctctgtgtg gagggagccg ccatgctcta ctacccttcc 600
123 gtgtccaggt gtgagcgggg cctggaccac gccatcccc actatgtcac catgtacctg 660
124 cccctgctgc tggttctcgt ggcgaacccc atcctgttcc aaaagacagt gactgcagtg 720
125 gcctctttac ttaaaggaag acaaggcatt tacacggaga acgagaggag gatgggagcc 780
126 gtgatcaaga tccgattttt caaaatcatg ctggttttaa ttatttggtg gttgtcgaat 840
127 atcatcaatg aaagcctttt attctatctt gagatgcaaa cagatatcaa tggaggttct 900
128 ttgaaacctg tcagaactgc agccaagacc acatggttta ttatgggaat cctgaatcca 960
129 gccaggggat ttctcttgtc ttggccttc tacggctgga caggatgcag cctgggtttt 1020
130 cagctctcca ggaaggagat ccagtgggaa tcactgacca cctcggctgc tgagggggct 1080
131 caccatccc cactgatgcc ccatgaaaac cctgcttccg ggaagggtgc tcaagtgggt 1140
132 gggcagactt ctgacgaagc cctgagcatg ctgtctgaag gttctgatgc cagcacaatt 1200
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135 aattcttggt ctttagaact gtgttctcac cttccaaca ctgcactgcc gaagtgtagc 1380
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137 ggagaaaggg tcatgcaca cacgtgtgag aatggaagag cccctccag accactctac 1500
138 agctgctcta gccttagttg ccactaggaa gttttctgag gctggctgta aagtaagtgt 1560
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143 <211> LENGTH: 424

144 <212> TYPE: PRT

145 <213> ORGANISM: Homo sapiens

147 <400> SEQUENCE: 5

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152 20 25 30
154 Thr Arg Asp Ala Ala Thr Gln Leu Val Leu Ser Phe Gln Pro Arg Ala
155 35 40 45
157 Phe His Ala Leu Cys Leu Gly Ser Gly Gly Leu Arg Leu Ala Leu Gly
158 50 55 60
160 Leu Leu Gln Leu Leu Pro Gly Arg Arg Pro Ala Gly Pro Gly Ser Pro
161 65 70 75 80
163 Ala Thr Ser Pro Pro Ala Ser Val Arg Ile Leu Arg Ala Ala Ala Ala
164 85 90 95
166 Cys Asp Leu Leu Gly Cys Leu Gly Met Val Ile Arg Ser Thr Val Trp
167 100 105 110
169 Leu Gly Phe Pro Asn Phe Val Asp Ser Val Ser Asp Met Asn His Thr
170 115 120 125
172 Glu Ile Trp Pro Ala Ala Phe Cys Val Gly Ser Ala Met Trp Ile Gln
173 130 135 140
175 Leu Leu Tyr Ser Ala Cys Phe Trp Trp Leu Phe Cys Tyr Ala Val Asp
176 145 150 155 160
178 Ala Tyr Leu Val Ile Arg Arg Ser Ala Gly Leu Ser Thr Ile Leu Leu
179 165 170 175
181 Tyr His Ile Met Ala Trp Gly Leu Ala Thr Leu Leu Cys Val Glu Gly

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185          195          200          205
187 Asp His Ala Ile Pro His Tyr Val Thr Met Tyr Leu Pro Leu Leu Leu
188          210          215          220
190 Val Leu Val Ala Asn Pro Ile Leu Phe Gln Lys Thr Val Thr Ala Val
191 225          230          235          240
193 Ala Ser Leu Leu Lys Gly Arg Gln Gly Ile Tyr Thr Glu Asn Glu Arg
194          245          250          255
196 Arg Met Gly Ala Val Ile Lys Ile Arg Phe Phe Lys Ile Met Leu Val
197          260          265          270
199 Leu Ile Ile Cys Trp Leu Ser Asn Ile Ile Asn Glu Ser Leu Leu Phe
200          275          280          285
202 Tyr Leu Glu Met Gln Thr Asp Ile Asn Gly Gly Ser Leu Lys Pro Val
203          290          295          300
205 Arg Thr Ala Ala Lys Thr Thr Trp Phe Ile Met Gly Ile Leu Asn Pro
206 305          310          315          320
208 Ala Gln Gly Phe Leu Leu Ser Leu Ala Phe Tyr Gly Trp Thr Gly Cys
209          325          330          335
211 Ser Leu Gly Phe Gln Ser Pro Arg Lys Glu Ile Gln Trp Glu Ser Leu
212          340          345          350
214 Thr Thr Ser Ala Ala Glu Gly Ala His Pro Ser Pro Leu Met Pro His
215          355          360          365
217 Glu Asn Pro Ala Ser Gly Lys Val Ser Gln Val Gly Gly Gln Thr Ser
218          370          375          380
220 Asp Glu Ala Leu Ser Met Leu Ser Glu Gly Ser Asp Ala Ser Thr Ile
221 385          390          395          400
223 Glu Ile His Thr Ala Ser Glu Ser Cys Asn Lys Asn Glu Gly Asp Pro
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227          420
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233 <213> ORGANISM: Homo sapiens
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238 ctcagaacca aagcctggaa caggcagctg tatccagagt ggacagaagc ccagagactt 180
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241 gatgggcagg ttatctgggt caacaatacc atcatcaatg ggagccagggt gtggggagga 360
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247 gtgtcccagt tgcgggcctt ggatggaggg aacaagcact tcctgagaaa tcagcctctg 720
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252 gcccctaaca ccacagctgg ccaagtgcct actacagaag ttgtgggtac tacacctggt 1020
253 caggcgccaa ctgcagagcc ctctggaacc acatctgtgc aggtgccaac cactgaagtc 1080
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268 ctgcgtctac cccgcatctt ctgctcttgt cccattggtg agaatagccc cctcctcagt 1980
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VERIFICATION SUMMARY

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L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date